

Claims

- [c1] A method of at least partially disassembling a pallet, the pallet having a plurality of deck board support interfaces, said method comprising:
 - providing at least one cutting device that is positionable at any one of the board support interfaces;
 - selectively positioning said at least one cutting device adjacent a particular board support interface of the pallet; and
 - cutting fasteners at the particular board support interface with said at least one cutting device.
- [c2] The method according to Claim 1, wherein said providing at least one cutting device comprises providing a pair of shearing blades.
- [c3] The method according to Claim 1, wherein said providing at least one cutting device comprises providing at least one air chisel.
- [c4] The method according to Claim 1, wherein said providing at least one cutting device comprises providing at least one diamond wire.

- [c5] A pallet dismantler for disassembling a pallet having a plurality of deck board support interfaces, said dismantler comprising:
- at least one shearing assembly comprising a pair of arms, and a pair of shearing blades, each mounted at an end portion of one of said arms, wherein each of said pair of arms is pivotally mounted, said shearing assembly is adapted to selectively position said shearing blades at substantially any one of the deck board support interfaces of a pallet; and
- said at least one shearing assembly including an actuator operating on said pair of arms to selectively move said shearing blades toward each other with a force sufficient to shear fasteners at a deck board support interface of a pallet.
- [c6] The dismantler of Claim 5, wherein said at least one shearing assembly comprises at least three shearing assemblies.
- [c7] The dismantler of Claim 6, wherein at least two of said at least three shearing assemblies are adjustably positioned with respect to others of said at least three shearing assemblies.
- [c8] The dismantler of Claim 5, includes a pallet support surface below said at least one shearing assembly.

- [c9] The dismantler of Claim 8 wherein said at least one shearing assembly is spaced above said support surface sufficiently to support a pallet from said at least one shearing assembly whereby said pair of shearing blades is self-aligning with a deck board support interface of a pallet.
- [c10] The dismantler of Claim 8, wherein said pallet support surface spaces an operator sufficiently from said at least one shearing assembly to limit operator contact with said shearing blades.
- [c11] The dismantler of Claim 5, wherein said actuator comprises a hydraulic actuator.
- [c12] The dismantler of Claim 5, wherein said actuator comprises an electrical actuator.
- [c13] The dismantler of Claim 5, wherein said actuator selectively moves said shearing blades toward each other with a force of at least approximately 2,000 pounds.
- [c14] The dismantler of Claim 5, wherein said actuator selectively moves said shearing blades toward each other with a force of at least approximately 4,000 pounds.
- [c15] The dismantler of Claim 5 includes a safety cover covering at least a portion of said at least one shearing as-

semblies.

- [c16] A pallet dismantler for disassembling a pallet having a plurality of deck board support interfaces, said dismantler comprising:
three pairs of arms, three pairs of shearing blades, each of said blades mounting at an end portion of one of said arms, three pairs of pivot pins, each of said pins pivotally mounting one of said arms, three actuators each positioned at another end portion of one of said pair of arms wherein said pivot pins are between the respective said shearing blades and one of said actuators; and a control system, said control system substantially simultaneously selectively actuating any or all of said actuators.
- [c17] The dismantler of Claim 16, wherein said blades are positioned at least approximately 30 inches from the respective one of said pins.
- [c18] The dismantler of Claim 16, wherein at least two of said pins are adjustably positioned with respect to others of said pins.
- [c19] The dismantler of Claim 16 including bumpers between each pair of arms to limit motion of said arms.
- [c20] The dismantler of Claim 16 including a pallet support

surface below said arms.

- [c21] The dismantler of Claim 20, wherein said shearing blades are sufficiently spaced above said support surface to support a pallet from said shearing blades whereby said shearing blades are self-aligning with deck board support interfaces of a pallet.
- [c22] The dismantler of Claim 16, wherein said pallet support surface positions an operator at least approximately 30 inches from said shearing blades.
- [c23] The dismantler of Claim 16 including a safety cover covering portions of said three pair of arms including said pivot pins and said actuators.
- [c24] The dismantler of Claim 16, wherein said control system comprises at least in part a hydraulic control system.
- [c25] The dismantler of Claim 16, wherein said control system comprises at least in part an electrical control system.